

SALES REPORT

presented by
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20
25

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-- Q.1 Write a SQL query to retrieve all columns for sales made on '2022-11-05'

```
select * from retail_sales  
where  
sale_date = '2022-11-05'
```



	transactions_id [PK] integer	sale_date date	sale_time time without time zone	customer_id integer	gender character varying (15)
1	180	2022-11-05	10:47:00	117	Male
2	240	2022-11-05	11:49:00	95	Female
3	1256	2022-11-05	09:58:00	29	Male
4	1587	2022-11-05	20:06:00	140	Female
5	1819	2022-11-05	20:44:00	83	Female



-- Q.2 Write a SQL query to retrieve all transactions where the category is 'Clothing' and the quantity sold is more than 10 in the month of Nov-2022



```
select * from retail_sales  
where  
    category = 'Clothing'  
and  
    quantity >= 4  
and  
    to_char(sale_date,'YYYY-MM') = '2022-11'
```

(total_sale) for each category

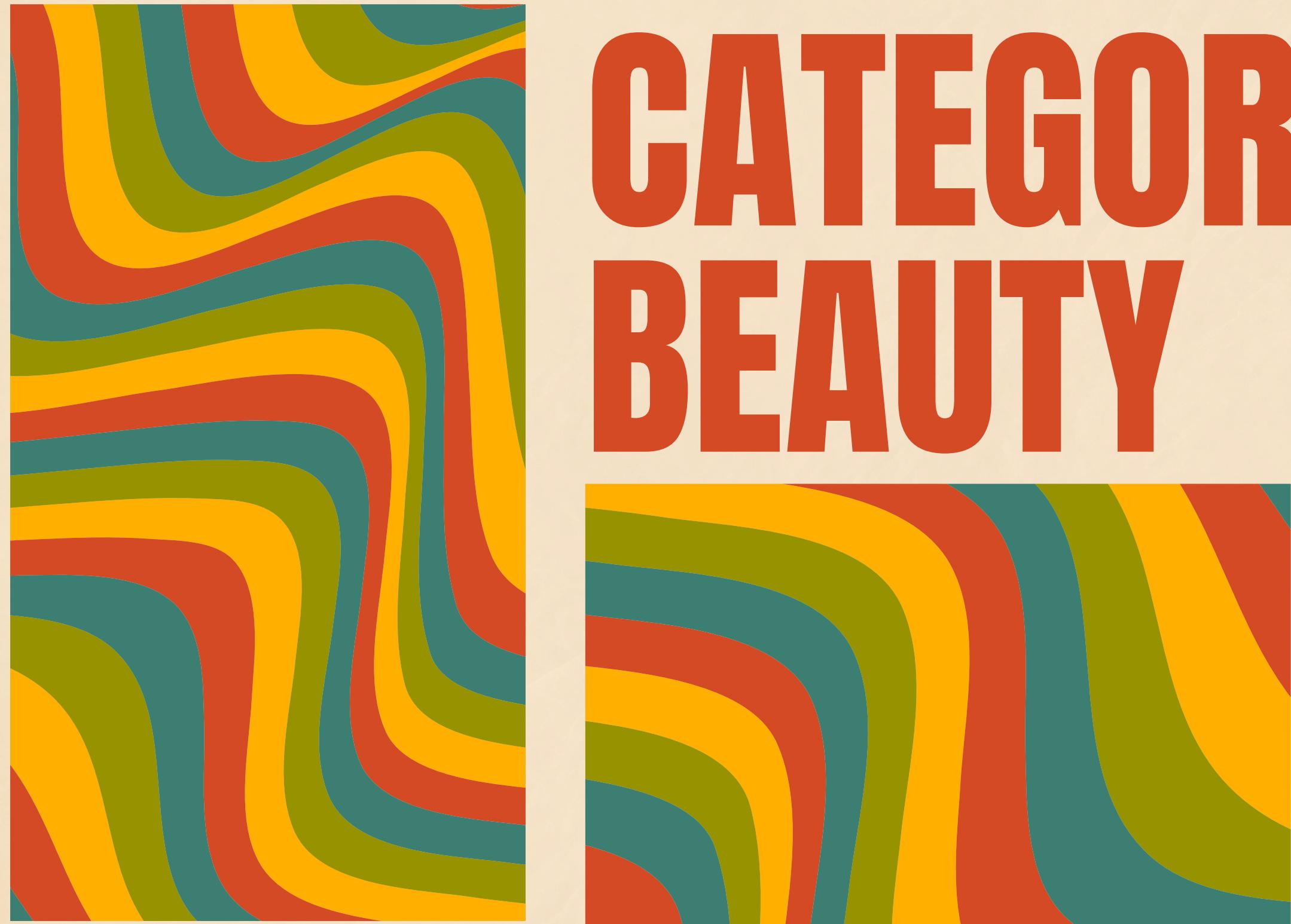
SALES

PERFORMANCE



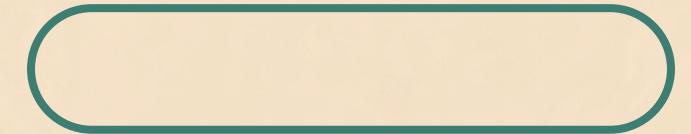
select
sum(total_sale) as net_sales,
count (*) as total_orders,
category
from retail_sales
group by category

-- Q.4 Write a SQL query to find the average age of customers who purchased items from the 'Beauty' category.



CATEGORY BEAUTY

```
select round(avg(age),0)  
from retail_sales  
where category = 'Beauty'
```



-- Q.5 Write a SQL query to find all transactions where the total_sale is greater than 1000.

```
select  
    transactions_id,  
    total_sale  
from retail_sales  
where  
    total_sale > '1000'
```

1000+
SALES

- Q.6 Write a SQL query to find the total number of transactions (transaction_id) made by each gender in each category.

```
select category,gender,count(*) as total_tran
```

```
from retail_sales
```

```
group by gender,
```

```
category
```

```
order by category
```

	category character varying (15)	gender character varying (15)	total_tran bigint
1	Beauty	Female	330
2	Beauty	Male	2817

-- Q.7 Write a SQL query to calculate the average sale for each month. Find out best selling month in each year

AVG SALES IN EACH MONTH

select

```
extract(year from sale_date) as year,  
extract(month from sale_date) as month,  
round(avg(total_sale),0) as avg  
from retail_sales  
group by 1,2  
order by 1,3 desc
```

-- Q.8 Write a SQL query to find the top 5 customers based on the highest total sales

TOP 5

```
select
    customer_id,
    sum(total_sale)
from retail_sales
group by customer_id
order by 1,sum(total_sale) desc
limit 5
```



	customer_id integer	highest_sales bigint
1	1	30750
2	2	25295
3	3	38440
4	4	23580

-- Q.9 Write a SQL query to find the number of unique customers who purchased items from each category.

```
select
    count(distinct customer_id) as unique_customers,
    category
from retail_sales
group by category
```

	unique_customers bigint	category
1	141	Beauty
2	149	Clothing
3	144	Electronics

THANK YOU!

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Thank you for your attention to our sales report presentation. If you have any questions or would like to discuss the findings in more detail, please don't hesitate to reach out to our sales team. We appreciate your continued support and partnership.

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